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01/23 '04 14:34 NO.158 01/06

32692

Customer Number

Patent  
Case No.: 57428US002

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JAN 27 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: BIYIKLI, LEVENT

Application No.: 10/036637

Group Art Unit: 2878

Filed: December 31, 2001

Examiner: Patrick J. Lee

Title: POLARIZATION TRANSFORMER AND POLARIZATION MODE DISPERSION  
COMPENSATOR

OFFICIAL

COMMUNICATION AFTER NOTICE OF ALLOWANCE

Mail Stop: Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF TRANSMISSION

To Fax No.: 703-872-9306

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on:

Jan. 23, 2004  
Date

Theresa Collier  
Signed by: Theresa Collier

Dear Sir:

The undersigned respectfully requests that the Examiner return the PTO-1449 forms included with the Information Disclosure Statement dated March 28, 2002, acknowledging consideration of the references listed thereon. Copies of the forms are enclosed for the Examiner's convenience.

The issue fee, due on April 16, 2004, has not yet been paid.

Respectfully submitted,

1/23/04  
Date

By:

Gregg H. Rosenblatt  
Gregg H. Rosenblatt, Reg. No.: 45,056  
Telephone No.: (512) 984-7443

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

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01/23 '04 14:34 NO.158 02/06

**COPY DUPLICATE  
ORIGINAL**Patent  
Case No.: 57428US002IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **RECEIVED  
CENTRAL FAX CENTER**

JAN 27 2004

First Named Inventor: BRYIKLI, LEVENT

Application No.: 10/036637

Group Art Unit: Unknown

Filed: December 31, 2001

Examiner: Unknown

Title: POLARIZATION TRANSFORMER AND POLARIZATION MODE DISPERSION  
COMPENSATOR**OFFICIAL****INFORMATION DISCLOSURE STATEMENT**Commissioner for Patents  
Washington, DC 20231

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:	
<u>MAR. 28, '02</u>	<u>[Signature]</u>
Date	Signed by: Tom Sanders

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed.

It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p) to Deposit Account No. 13-3723. If necessary, please charge any additional fees, or credit any overpayment, to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

Respectfully submitted,

DUE DATE(S) 3-31-02ATTORNEY NFH  
DOCKETED pieMarch 28, 2002  
DateBy: [Signature]  
Nestor F. Ho, Reg. No.: 39,460  
Telephone No.: 512-984-7443**RECEIVED**

APR 12 2002

**NESTOR F. HO**

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Application No.: 10/036637

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Case No.: 57428US002

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Facsimile No.: 651-736-3833

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets if necessary)

Page 1 of 2

**COPY**

Application Number	10/036637
Filing Date	December 31, 2001
First Named Inventor	Biyikli, Levent
Art Unit	Unknown
Examiner Name	Unknown
Attorney Case Number	57428US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
	A1	US- 4,988,169		01-29-1991	Nigel G. Walker	
	A2	US- 5,212,743		05-18-1993	Fred L. Heismann	
	A3	US- 5,822,100		10-13-1998	Andrew N. Robinson, et al.	
	A4	US- 5,930,414		07-27-1999	Daniel A. Fishman, et al.	
	A5	US- 8,130,768		10-10-2000	Xiang-Dong Cao	
	A6	US- 6,236,495 B1		05-22-2001	Lothar B. E. J. Moeller	
	A7	US- 6,271,952 B1		08-07-2001	Richard E. Epworth	
	A8	US- 6,282,333 B1		08-28-2001	Wolfgang Dultz, et al.	
	A9	US- 6,330,375 B1		12-11-2001	Daniel A. Fishman, et al.	
	A10	US- 2001/0028760 A1		10-11-2001	Henry H. Yaffe	

**Foreign Patent Documents**

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
	B1						
	B2						
	B3						

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published
	C1	Jungho Kim, et al., "Polarization-mode-dispersion Compensator Using a Polarization Beam Splitter and Quarter-Wave Plates", APPLIED OPTICS, Vol. 40, No. 25, 1 Sept. 2001, pp. 4473-4475
	C2	Yasuo Ohtera, et al., "Liquid Crystal Rotatable Waveplates", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 8, No. 3, March 1996, pp. 390-392.
	C3	Takafumi Chiba, et al., "Polarization Stabilizer Using Liquid Crystal Rotatable Waveplates", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 17, No. 5, May 1999, pp. 885-890.
	C4	N. G. Walker, et al., "Endless Polarisation Control Using Four Fibre Squeezers", ELECTRONICS LETTERS, 12 <sup>th</sup> March 1987, Vol. 23, No. 6, pp. 290-292.
	C5	H. Shimizu, et al., "Endless Polarisation Controller Using Electro-Optic Waveplates", ELECTRONICS LETTERS, 31 <sup>st</sup> March 1988, Vol. 24, No. 7, pp. 412-413.
	C6	R. Noé, "Endless Polarisation Control Experiment with Three Elements of Limited Birefringence Range", ELECTRONICS LETTERS, 4 <sup>th</sup> December 1986, Vol. 22, No. 25, pp. 1341-1343.

\*Examiner r:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/APTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets if necessary)  Page 2 of 2	Application Number	10/036637
	Filing Date	December 31, 2001
	First Named Inventor	Biyikli, Levent
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	57428US002

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cita No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C7	R. Noé, "Endless Polarisation Control in Coherent Optical Communications", ELECTRONICS LETTERS, 17 <sup>th</sup> July 1986, Vol. 22, No. 15, pp. 772-773.
	C8	T. Matsumoto, et al., "Endlessly Rotatable Fractional-Wave Devices for Single-Mode-Fibre Optics", ELECTRONICS LETTERS, 16 <sup>th</sup> January 1986, Vol. 22, No. 2, pp. 78-79.
	C9	L. J. Rysdale, "Method of Overcoming Finite-Range Limitation of Certain State of Polarisation Control Devices in Automatic Polarisation Control Schemes", ELECTRONICS LETTERS, 16 <sup>th</sup> January 1986, Vol. 22, No. 2, pp. 100-102.

\*Examiner:

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DISPERSION COMPENSATOR

**Enclosures:**

Information Disclosure Statement, Form PTO-1449, and  
cited references and a Return Post Card

Amount charged to Deposit Account: \$0.00

Attorney (initials): NFH/s

Date: March 28, 2002

First Named Inventor: BRYIKLI, LEVENT

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Application No.: 10/036637

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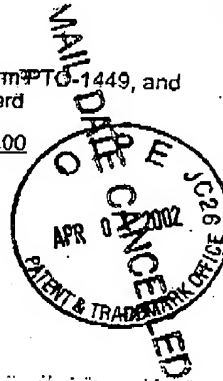
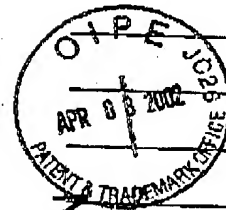
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Attorney (initials): NFH/s

Date: March 28, 2002



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